

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|---|---|--|
| Applicant's or agent's file reference HISHE-63200 | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/US 02/41259 | International filing date (day/month/year) 26/12/2002 | (Earliest) Priority Date (day/month/year) 16/01/2002 |
| Applicant HI-SHEAR CORPORATION | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

LOBED DRIVE SOCKET FOR FASTENER

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

3a _____

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 02/41259

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

line 1, after "socket" add "(20)"; after "fastener" add "(26)", after "lobes"
add "(22)"

line 3, after "surfaces" add "(28)"

line 5, after "lobes" add "(52)"

line 6, after "lobes" add "(54)"

line 9, after "surface" add "(60)"

INTERN. (AL SEARCH REPORT

International Application No

PCT/US 02/41259

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16B23/00 B25B15/00 B25B13/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16B B25B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | WO 01 32365 A (FACOM ; SEGRETAIN RICHARD ALAIN ERIC (FR)) 10 May 2001 (2001-05-10) the whole document --- | 1-19 |
| A | US 5 174 704 A (KAZINO HIROSHI ET AL) 29 December 1992 (1992-12-29) the whole document --- | 1-19 |
| A | US 4 512 220 A (BARNHILL III MARTIN L ET AL) 23 April 1985 (1985-04-23) figures 3,4 --- | 1-19 |
| A | GB 2 335 962 A (HSIEH CHIH CHING) 6 October 1999 (1999-10-06) figure 7 ----- | 1-19 |

☐ Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

12 March 2003

Date of mailing of the international search report

21/03/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
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Authorized officer

Huusom, C

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/41259

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 0132365 | A | 10-05-2001 | FR 2800311 A1 | 04-05-2001 |
| | | | AU 1286401 A | 14-05-2001 |
| | | | EP 1226005 A1 | 31-07-2002 |
| | | | WO 0132365 A1 | 10-05-2001 |
| US 5174704 | A | 29-12-1992 | NONE | |
| US 4512220 | A | 23-04-1985 | NONE | |
| GB 2335962 | A | 06-10-1999 | NONE | |

Please acknowledge receipt of our INFORMATION DISCLOSURE STATEMENT, Form PTO-FB-A820 (PTO-1449), copies of 23 references cited, and Transmittal Form PTO/SB/21, by affixing hereon the Patent Office date stamp and returning this card to our office.

In re application of:

Inventor: Dennis Schultz
Entitled: LOBED DRIVE FOR HI-LITE FASTENER
Appln. No. 10/052,238
Filed: January 16, 2002
Date Mailed: July 1, 2002
Atty. Dkt. No. HISHE:57964
JWP/DGM:gbr

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JWP/DGM:gbr



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Client ID/Matter No.: HISHE:57964
Application No. 10/052,238
Filed: January 16, 2002
Date Due: N/A
Date Mailed: April 23, 2003
Applicant(s): Dennis Schultz
Title: LOBED DRIVE FOR HI-LITE FASTENER

Documents enclosed:

1. Transmittal Form (PTO/SB/21)
2. Supplemental Information Disclosure Statement
3. Return Postcard

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Doc.# 10613
Customer No. 24201

Client ID/Matter No.: HISHE:57964
Application No. 10/052,238
Filed: January 16, 2002
Date Due: N/A
Date Mailed: April 23, 2003
Applicant(s): Dennis Schultz
Title: LOBED DRIVE FOR HI-LITE FASTENER

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